

“AMENDMENT TO CLAIMS”

WHAT IS CLAIMED IS:

1. (CURRENTLY AMENDED) A dual reflector system for reflecting light produced by a lamp, comprising:

a first parabolic reflector defining a first depth and a first focal point;

and a second parabolic reflector defining a second depth and a second focal point;

wherein the second depth is less than the first depth and further wherein the first reflector focal point is substantially the same as the second reflector focal point;

and an aperture through which light exits the reflector system with said aperture shape being that of a circle and with said shape and size thereby creating a beam of light energy with maximum efficiency and with maximum concentration increasing as the diameter of said aperture decreases.

2. (CURRENTLY AMENDED) The reflector system of claim 1, wherein the first reflector includes at least one aperture whereby a lamp having a filament for producing light may be positioned in an interior of the first reflector; and the second reflector includes ~~an~~ the said circular aperture through which light energy produced by the lamp exits.

3. (CURRENTLY AMENDED) The reflector system of claim 1, wherein the first reflector includes at least one first aperture whereby a lamp having a filament for producing light may be positioned in an interior of the first reflector; and further wherein the first reflector includes a second aperture, the said circular aperture through which light energy produced by the

lamp exits.

4. (ORIGINAL) The reflector system of claim 2, wherein the at least one first reflector aperture and the second reflector aperture are positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

5. (ORIGINAL) The reflector system of claim 3, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

6. (ORIGINAL) The reflector system of claim 1, wherein the first reflector focal point and the second reflector focal point are substantially on a central longitudinal axis defined by the first reflector and the second reflector.

7. (CURRENTLY AMENDED) A lighting fixture for producing light from an electric current supplied from an external source and directing the light, comprising:

a lamp having an envelope, a filament disposed within the envelope for producing the light, at least two filament supports, and a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the external source to the filament;

a reflector system, wherein the reflector system comprises a first parabolic reflector defining a first depth and a first focal point and a second parabolic reflector defining a second depth and a second focal point, and further wherein the second depth is less than the first

depth and the first reflector focal point is substantially the same as the second reflector focal point, and an aperture through which light exits the reflector system with said aperture shape being that of a circle and with said shape and size thereby creating a beam of light energy with maximum efficiency and with maximum concentration increasing as the diameter of said aperture decreases;

and a housing for supporting the lamp and the reflector system.

8. (ORIGINAL) The lighting fixture of claim 7, wherein the lamp is positioned whereby the filament is held substantially at the first reflector focal point and the second reflector focal point.

9. (CURRENTLY AMENDED) The lighting fixture of claim 7, wherein the first reflector includes at least one aperture through which the lamp is held in an interior of the first reflector; and the second reflector includes ~~an~~ the said circular aperture through which light energy produced by the lamp exits.

10. (CURRENTLY AMENDED) The lighting fixture of claim 7, wherein the first reflector includes at least one first aperture through which the lamp is held in an interior of the first reflector; and further wherein the first reflector includes a second aperture, the said circular aperture through which light energy produced by the lamp exits.

11. (ORIGINAL) The lighting fixture of claim 9, wherein the at least one first reflector aperture and the second reflector aperture are positioned in substantial alignment with a central

longitudinal axis defined by the first reflector and the second reflector.

12. (ORIGINAL) The lighting fixture of claim 10, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

13. (CURRENTLY AMENDED) A method for providing a high intensity beam of light, comprising the steps of:

providing a lamp having an envelope, a filament disposed within the envelope for producing the light, at least two filament supports, and a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the external source to the filament;

providing a reflector system, wherein the reflector system comprises a first parabolic reflector defining a first depth and a first focal point and a second parabolic reflector defining a second depth and a second focal point, and further wherein the second depth is less than the first depth and the first reflector focal point is substantially the same as the second reflector focal point, and an aperture through which light exits the reflector system with said aperture shape being that of a circle and with said shape and size thereby creating a beam of light energy with maximum efficiency and with maximum concentration increasing as the diameter of said aperture decreases;

positioning the lamp such that the filament is held substantially at the first reflector focal point and the second reflector focal point; providing an electric current to the filament from the external source;

and radiating light from the filament.

14. (CURRENTLY AMENDED) The method of claim 13, wherein the first reflector includes at least one aperture through which the lamp is held in an interior of the first reflector; and the second reflector includes ~~an~~ the said circular aperture through which light energy produced by the lamp exits.

15. (CURRENTLY AMENDED) The method of claim 13, wherein the first reflector includes at least one first aperture through which the lamp is held in an interior of the first reflector; and further wherein the first reflector includes a second aperture, the said circular aperture through which light energy produced by the lamp exits.

16. (ORIGINAL) The method of claim 14, wherein the at least one first reflector aperture and the second reflector aperture are positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

17. (ORIGINAL) The method of claim 15, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

18. (ORIGINAL) A lamp for producing light from an electric current supplied from an external source, comprising:

an envelope comprising a first reflector defining a first depth and a first focal point

and a second reflector defining a second depth and a second focal point, wherein the second depth is less than the first depth and further wherein the first reflector focal point is substantially the same as the second reflector focal point;

a filament for producing the light, said filament disposed in an interior of the envelope, the first reflector, and the second reflector;

at least two filament supports;

and a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the external source to the filament;

wherein the filament is positioned substantially at the first reflector focal point and the second reflector focal point.

19. (ORIGINAL) The lamp of claim 18, wherein the first reflector includes an aperture through which light energy produced by the filament exits.

20. (ORIGINAL) The lamp of claim 18, wherein the second reflector includes an aperture through which light energy produced by the filament exits.

21. (ORIGINAL) The lamp of claim 19, wherein the first reflector aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

22. (ORIGINAL) The lamp of claim 20, wherein the second reflector aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and

the second reflector.

23. (ORIGINAL) The lamp of claim 18, wherein the first reflector focal point and the second reflector focal point are substantially on a central longitudinal axis defined by the first reflector and the second reflector.